

IN THE CLAIMS:

Please cancel Claims 67 to 80 without prejudice or disclaimer of subject matter, and amend Claim 1 as shown below. The claims, as pending in the subject application, now read as follows:

1. (Currently amended) An information processing apparatus that transfers print data to a printer, said apparatus comprising:

determining means for determining whether the print data is to be transferred to the printer in a first mode or in a second mode; and

control means for causing said apparatus to convert the print data into bit map data and to transfer the converted bit map data to the printer when said determining means determines that the print data is to be transferred in the first mode, and to convert the print data into print data which can be interpreted by the printer and to transfer the converted data to the printer when said determining means determines that the print data is to be transferred in the second mode,

wherein the converted data in the second mode includes information indicative of a data type, and wherein the first mode is a mode in which said apparatus controls an output style of the print data and the second mode is a mode in which the printer controls an output style of the print data.

2. (Original) An apparatus according to claim 1, wherein the print data comprises a character code and a control code written in a page description language.

3. (Original) An apparatus according to claim 1, wherein the printer prints the bit map data transferred by said apparatus.

4. (Original) An apparatus according to claim 1, wherein the printer interprets the print data transferred by said apparatus, converts the interpreted data into bit map data, and prints the converted bit map data.

5. (Original) An apparatus according to claim 1, further comprising means for setting the first or the second mode.

6. (Previously presented) An information processing apparatus that transfers print data to a printer, said apparatus comprising:

determining means for determining whether the print data is to be transferred to the printer in a first mode or in a second mode; and

first conversion means for converting the print data into bit map data;

second conversion means for converting the print data into print data which can be interpreted by the printer, wherein the data resulting from the second conversion means includes information indicative of a data type; and

control means for causing said apparatus (1) to control either said first conversion means or said second conversion means to convert the print data in response to a determination made by said determining means and (2) to transfer the converted bit map data or the converted print data,

wherein the first mode is a mode in which said apparatus controls an output style of the print data and the second mode is a mode in which the printer controls an output style of the print data.

7. (Original) An apparatus according to claim 6, wherein the print data comprises a character code and a control code written in a page description language.

8. (Original) An apparatus according to claim 6, wherein the printer prints the bit map data transferred by said apparatus.

9. (Original) An apparatus according to claim 6, wherein the printer interprets the print data transferred by said apparatus, converts the interpreted data into bit map data, and prints the converted bit map data.

10. (Original) An apparatus according to claim 6, further comprising means for setting the first or the second mode.

11. (Previously presented) A computer-executed method of processing information carried out in an information processing apparatus that transfers print data to a printer, said method comprising the steps of:

determining whether the print data is to be transferred to the printer in a first mode or in a second mode; and

converting the print data into bit map data and transferring the converted bit map data to the printer when said determining step determines that the print data is to be transferred in the first mode, and converting the print data into print data which can be interpreted by the printer and transferring the converted data to the printer when said determining step determines that the print data is to be transferred in the second mode, wherein the converted data in the second mode includes information indicative of a data type, and wherein the first mode is a mode in which the apparatus controls an output style of the print data and the second mode is a mode in which the printer controls an output style of the print data.

12. (Original) A method according to claim 11, wherein the print data comprises a character code and a control code written in a page description language.

13. (Original) A method according to claim 11, further comprising the step of controlling the printer to print the bit map data transferred in said converting and transferring step.

14. (Original) A method according to claim 11, further comprising the step of controlling the printer to interpret the print data transferred in said converting and transferring step, convert the interpreted data into bit map data, and print the converted bit map data.

15. (Original) A method according to claim 11, further comprising the step of setting the first or the second mode.

16. (Previously presented) A computer-executed method of processing information carried out in an information processing apparatus that transfers print data to a printer, said method comprising the steps of:

determining whether the print data is to be transferred to the printer in a first mode or in a second mode;

converting the print data using either a first conversion process for converting the print data into bit map data or a second conversion process for converting the print data into print data which can be interpreted by the printer in response to a determination made in said determining step, wherein the data resulting from the second conversion process includes information indicative of a data type; and

transferring the converted bit map data or the converted print data to the printer,

wherein the first mode is a mode in which the apparatus controls an output style of the print data and the second mode is a mode in which the printer controls an output style of the print data.

17. (Original) A method according to claim 16, wherein the print data comprises a character code and a control code written in a page description language.

18. (Original) A method according to claim 16, further comprising the step of controlling the printer to print the bit map data transferred in said transferring step.

19. (Original) A method according to claim 16, further comprising the step of controlling the printer to interpret the print data transferred in said transferring step, convert the interpreted data into bit map data, and print the converted bit map data.

20. (Original) A method according to claim 16, further comprising the step of setting the first or the second mode.

21. (Previously presented) A memory medium storing a program that, when loaded into and executed by a programmable apparatus, causes the apparatus to perform a method of processing information carrier out in an information processing apparatus which transfers print data to a printer, said method comprising the steps of:

determining whether the print data is to be transferred to the printer in a first mode or in a second mode; and

converting the print data into bit map data and transferring the converted bit map data to the printer when said determining step determines that the print data is to be transferred in the first mode, and converting the print data into print data which can be interpreted by the printer and transferring the converted data to the printer when said determining step determines that the print data is to be transferred in the second mode,

wherein the converted data in the second mode includes information indicative of a data type, and wherein the first mode is a mode in which the apparatus controls an output style of the print data and the second mode in which the printer controls an output style of the print data.

22. (Original) A memory medium according to claim 21, wherein the print data comprises a character code and a control code written in a page description language.

23. (Original) A memory medium according to claim 21, wherein the memory further comprises the step of controlling the printer to print the bit map data transferred in said converting and transferring step.

24. (Original) A memory medium according to claim 21, wherein the method further comprises the step of controlling the printer to interpret the print data transferred in said converting and transferring step, convert the interpreted data into bit map data, and print the converted bit map data.

25. (Original) A memory medium according to claim 21, wherein the method further comprises the step of setting the first or the second mode.

26. (Previously presented) A memory medium storing a program that, when loaded into and executed by a programmable apparatus, causes the apparatus to perform a method of processing information carried out in an information processing apparatus that transfers print data to a printer, said method comprising the steps of:

determining whether the print data is to be transferred to the printer in a first mode or in a second mode;

converting the print data using either a first conversion process for converting the print data into bit map data or a second conversion process for converting the print data into print data which can be interpreted by the printer in response to a determination made in said determining step, wherein the data resulting from the second conversion process includes information indicative of a data type; and

transferring the converted bit map data or the converted print data to the printer,

wherein the first mode is a mode in which the apparatus controls an output style of the print data and the second mode is a mode in which the printer controls an output style of the print data.

27. (Original) A memory medium according to claim 26, wherein the print data comprises a character code and a control code written in a page description language.

28. (Original) A memory medium according to claim 26, wherein the method further comprises the step of controlling the printer to print the bit map data transferred in said transferring step.



29. (Original) A memory medium according to claim 26, wherein the method further comprises the step of controlling the printer to interpret the print data transferred in said transferring step, convert the interpreted data into bit map data, and print the converted bit map data.

30. (Original) A memory medium according to claim 26, wherein the method further comprises the step of setting the first or the second mode.

31. (Previously presented) A program product which, when loaded into and executed by a programmable apparatus, causes the apparatus to perform a method of processing information carried out in an information processing apparatus that transfers print data to a printer, said method comprising the steps of:

determining whether the print data is to be transferred to the printer in a first mode or in a second mode; and

converting the print data into bit map data and transferring the converted bit map data to the printer when said determining step determines that the print data is to be transferred in the first mode, and converting the print data into print data which can be interpreted by the printer and transferring the converted data to the printer when said determining step determines that the print data is to be transferred in the second mode,

wherein the converted data in the second mode includes information indicative of a data type, and wherein the first mode is a mode in which the apparatus controls an output style of the print data and the second mode is a mode in which the printer controls an output style of the print data.

32. (Original) A program product according to claim 31, wherein the print data comprises a character code and a control code written in a page description language.

33. (Original) A program product according to claim 31, wherein the memory further comprises the step of controlling the printer to print the bit map data transferred in said converting and transferring step.

34. (Original) A program product according to claim 31, wherein the method further comprises the step of controlling the printer to interpret the print data transferred in said converting and transferring step, convert the interpreted data into the bit map data, and print the converted bit map data.

35. (Original) A program product according to claim 31, wherein the method transferring step, convert the interpreted data into bit map data, and print the converted bit map data further comprises the step of setting the first or the second mode.

36. (Previously presented) A program product that, when loaded into and executed by a programmable apparatus, causes the apparatus to perform a method of processing information carried out in an information processing apparatus that transfers print data to a printer, said method comprising the steps of:

determining whether the print data is to be transferred to the printer in a first mode or in a second mode;

converting the print data using either a first conversion process for converting the print data into bit map data or a second conversion process for converting the print data into print data which can be interpreted by the printer in response to a determination made in said determining step, wherein the data resulting from the second conversion process includes information indicative of a data type; and

transferring the converted bit map data or the converted print data to the printer,

wherein the first mode is a mode in which the apparatus controls an output style of the print data and the second mode is a mode in which the printer controls an output style of the print data.

37. (Original) A program product according to claim 36, wherein the print data comprises a character code and a control code written in a page description language.

38. (Original) A program product according to claim 36, wherein the method further comprises the step of controlling the printer to print the bit map data transferred in said transferring step.

39. (Original) A program product according to claim 36, wherein the method further comprises the step of controlling the printer to interpret the print data transferred in said transferring step, convert the interpreted data into bit map data, and print the converted bit map data.

40. (Original) A program product according to claim 36, wherein the method further comprises the step of setting the first or the second mode.

41. and 42. (Canceled)

43. (Previously presented) An apparatus according to claim 1, wherein, in the first mode, the print data is provided in a page description language.

44. and 45. (Canceled)

46. (Previously presented) An apparatus according to claim 6, wherein, in the first mode, the print data is provided in a page description language.

47. and 48. (Canceled)

49. (Previously presented) A method according to claim 11, wherein, in the first mode, the print data is provided in a page description language.

50. and 51. (Canceled)

52. (Previously presented) A method according to claim 16, wherein, in the first mode, the print data is provided in a page description language.

53. and 54. (Canceled)

55. (Previously presented) A memory medium according to claim 21, wherein, in the first mode, the print data is provided in a page description language.

56. and 57. (Canceled)

58. (Previously presented) A memory medium according to claim 26, wherein, in the first mode, the print data is provided in a page description language.

59. and 60. (Canceled)

61. (Previously presented) A program product according to claim 31, wherein, in the first mode, the print data is provided in a page description language.

62. and 63. (Canceled)

64. (Previously presented) A program product according to claim 36, wherein, in the first mode, the print data is provided in a page description language.

65. (Previously presented) A system comprising an information processing apparatus and a printer, wherein said information processing apparatus transfers print data to the printer and includes:

a determiner for determining whether the print data is to be transferred to the printer in a first mode or in a second mode; and

a controller, arranged for causing said information processing apparatus to convert the print data into bit map data and to transfer the converted bit map data to the printer when said determiner determines that the print data is to be transferred in the first mode, and for causing said information processing apparatus to convert the print data into print data which can be interpreted by the printer and to transfer the converted print data to the printer when said determiner determines that the print data is to be transferred in the second mode,

wherein the converted print data in the second mode includes information indicative of a data type, and

wherein the first mode is a mode in which said information processing apparatus controls an output style of the print data and the second mode is a mode in which the printer controls an output style of the print data.

66. (Previously presented) A system comprising an information processing apparatus and a printer, wherein said apparatus transfers print data to the printer and includes:

a determiner for determining whether the print data is to be transferred to the printer in a first mode or in a second mode;

a first converter, arranged for converting the print data into bit map data;

a second converter, arranged for converting the print data into converted print data that is interpretable by the printer, wherein the converted print data includes information indicative of a data type; and

a controller, arranged for causing said apparatus to (1) control either said first converter or said second converter to convert the print data in response to a determination made by said determiner, and (2) transfer the converted bit map data or the converted print data to the printer, depending on whether said first converter or said second converter is controlled,

wherein the first mode is a mode in which said information processing apparatus controls an output style of the print data and the second mode is a mode in which the printer controls an output style of the print data.

67. to 80. (Canceled)